

OEPA Permit No.: 3IB00012*BD

Application No.: OH0001121

National Pollutant Discharge Elimination System (NPDES) Permit Program

FACT SHEET

Regarding NPDES Permit to Discharge to State Waters

Ohio Environmental Protection Agency
P. O. Box 1049
361 East Broad Street
Columbus, Ohio 43216-1049
614-466-4891

US EPA RECORDS CENTER REGION 5



421415

Public Notice No.: 85-05-002
Public Notice Date: May 2, 1985

Name and Address of Applicant:
The Cleveland Electric Illuminating
Company
P. O. Box 5000
Cleveland, Ohio 44101

Name and Address of Facility
Where Discharge Occurs:
The Cleveland Electric
Illuminating Company
Ashtabula Plant
2133 Lake Road
Ashtabula, Ohio

Receiving Water: Lake Erie

I. Location of Discharge

The above named applicant has applied for an NPDES permit, which will be issued by the Ohio Environmental Protection Agency, to discharge into the designated receiving water. A description and/or sketch of the location of the discharge is appended as Attachment I.

II. Description of Existing Discharge

A quantitative description of the existing discharge in terms of significant effluent parameters is appended as Attachment II.

III. Determinations

The Ohio Environmental Protection Agency has examined the application and has made the determination to issue the permit subject to certain effluent limitations and other mandatory conditions.

The effluent limitations in the permit are appended as Attachment IIIa.

The schedule of compliance for meeting the effluent limitations is appended as Attachment IIIb.

Derivation and calculation of specific effluent limitations are accomplished in accordance with standard engineering practices and applicable guidelines, standards and documents. Justification of specific characteristics is appended as Attachment IV.

The other special conditions in the permit may include, but are not necessarily limited to: monitoring, recording, and reporting discharges, limiting discharges of oil, hazardous substances, collected solids, visible floating solids, foams, prevention and containment; and prohibiting bypass of treatment facilities. Persons wishing further information about the special conditions may contact the Ohio Environmental Protection Agency.

Permit requirements are based upon Section 6111.03(J) of the Ohio Revised Code and upon Chapter 3745-33 of the Ohio Administrative Code in order to achieve and maintain full compliance with national effluent limitations, standards of performance, toxic and pretreatment standards.

IV. Procedures for the Formulation of Final Determinations

The determination shall be issued as a final action unless the Director revises the draft after consideration of the record of a public meeting or written comments, or upon disapproval by the Administrator of the U.S. Environmental Protection Agency.

Within thirty days of the date of the Public Notice, any person may request or petition for a public meeting for presentation of evidence, statements or opinions. The purpose of the public meeting or hearing is to obtain additional evidence. Statements concerning the issues raised by the party requesting the hearing are invited. Evidence may be presented by the applicant, the state, and other parties, and following presentation of such evidence other interested persons may present testimony of facts or statements of opinion.

Requests for public meeting should be addressed to:

Legal Records Section
Ohio Environmental Protection Agency
P. O. Box 1049
361 East Broad Street
Columbus, Ohio 43216-1049

Interested persons are invited to submit written comments upon the discharge permit. Comments should be submitted in person or by mail no later than 30 days after the date of this Public Notice. Deliver or mail all comments to:

Permits and Compliance Section
Ohio Environmental Protection Agency
P. O. Box 1049
361 East Broad Street
Columbus, Ohio 43216-1049

The OEPA permit number and Public Notice numbers should appear next to the above address on the envelope and on each page of any submitted comments. All comments received no later than 30 days after the date of the Public Notice will be considered.

The application, fact sheets, permit including effluent limitations, special conditions, comments received and other documents are available for inspection and may be copied at a cost of 20 cents per page at the Ohio Environmental Protection Agency at the address shown above any time between the hours of 8:00 a.m. and 4:30 p.m., Monday through Friday. Copies of the Public Notice are available at no charge at the same address.

Mailing lists are maintained for persons or groups who desire to receive Public Notice for all applications in the state or for certain geographical areas. Persons or groups may also request copies of fact sheets, applications or other documents pertaining to applications. Persons or groups may have their names put on such a list by making a written request to the Agency at the address shown above.

V. Use Classification, Water Quality Standards, Effluent Limitations and Significant Factual and Legal Questions Considered.

The receiving water is classified for Lake Erie Classification.

The following water quality standards and effluent standards and limitations were applied to the discharge: Best Available Technology, Best Professional Judgment, Best Conventional Pollutant Control Technology.

The terms and conditions of the permit will comply with the requirements of Chapter 3745-33, Ohio Administrative Code and Section 6111.03(J), Ohio Revised Code.

VI. Average Flows and Temperature, if significant.

The discharge from this facility into waters of the state is as follows:

| <u>Discharge Point</u> | <u>Average Monthly Flows (MGD)</u> |
|------------------------|------------------------------------|
| 001 | 760.0 |
| 002 | 1.44 |
| 003 | 138.0 |
| 004 | .365 |
| 006 | 8.350 |
| 007 | 5.040 |

VII. This permit contains limitations on toxic pollutants because it is known or believed that there is or may be such pollutants in the effluent.

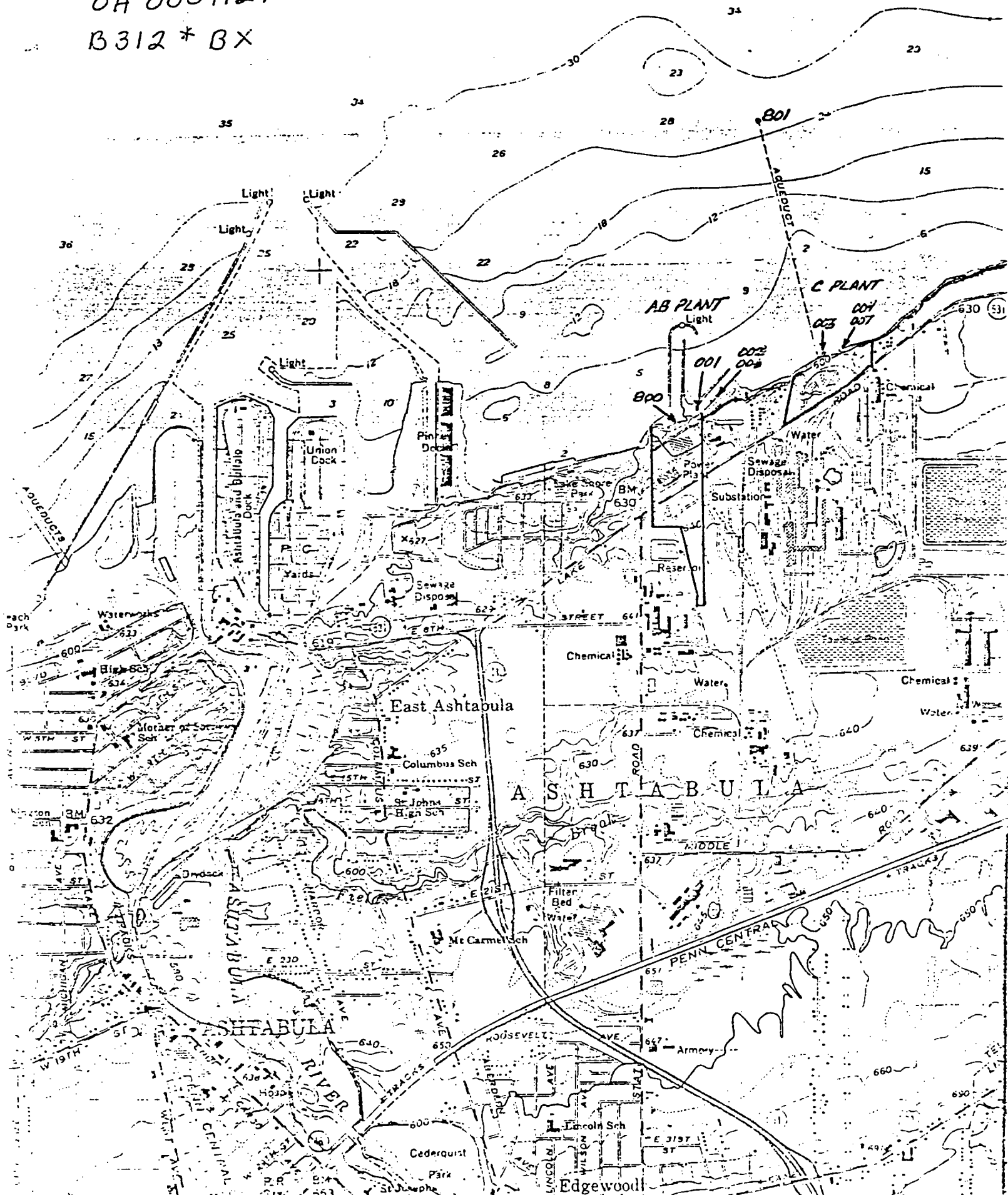
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OH 0001121

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Attachment I



OEPA 3IB00012*80

1. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from the following outfall: 3IB00012001. SEE PART II, OTHER REQUIREMENTS, for location of effluent sampling.

| <u>EFFLUENT CHARACTERISTIC</u> | | | <u>DISCHARGE LIMITATIONS</u> | | | |
|---------------------------------|--------------|--------------------------|------------------------------|---------------|----------------|--------------|
| <u>REPORTING</u> <u>Code</u> | <u>UNITS</u> | <u>PARAMETER</u> | <u>Concentration</u> | | <u>Loading</u> | |
| | | | <u>Other Units(Specify)</u> | <u>30 day</u> | <u>30 day</u> | <u>Daily</u> |
| 50050 | MGD | Flow | - | - | - | - |
| 50060 | mg/l | Total Residual Chlorine* | 0.2 | 0.2 | - | - |
| 00011 | °F | Temperature** | - | - | - | - |
| 00665 | mg/l | Total Phosphorus | - | - | - | - |

- * The Total Residual Chlorine limit is the maximum allowed at any time at the outfall. Total Residual Chlorine may not be discharged from any single generating unit for more than two hours per day. Simultaneous multi-unit chlorination is permitted. Analyses are to be performed by amperometric titration and/or Orion Residual Chlorine Electrode. Sampling for Chlorine is to be performed during chlorination.

Sampling may be done at condenser discharge if appropriate correlations are established.

- ** Requires intake (3IB00012800) monitoring, report intake/outfall temperature estimated to correspond to a maximum temperature differential sustained for one hour.

2. The pH (Reporting Code 00400) shall not be less than 6.0 S.U. nor greater than 9.0 S.U. and shall be monitored monthly by grab sample.
3. Samples taken in compliance with monitoring requirements specified above shall be taken at Sampling Stations described in Part II, OTHER REQUIREMENTS.
4. See PART II, OTHER REQUIREMENTS.

Attachment II & IIIa

OEPA 31800012*8D

1. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from the following outfall: 31800012002. SEE PART II, OTHER REQUIREMENTS, for location of effluent sampling.

| <u>EFFLUENT CHARACTERISTIC</u> | | | <u>DISCHARGE LIMITATIONS</u> | | | |
|--------------------------------|-------|------------------------|---------------------------------------|-------|-------------------|-------|
| REPORTING Code | UNITS | PARAMETER | Concentration Other Units(Specify) | | Loading kg/day | |
| | | | 30 day | Daily | 30 day | Daily |
| 50050 | MGD | Conduit Flow | - | - | - | - |
| 00530 | mg/l | Total Suspended Solids | 30 | 100 | - | - |
| 00550 | mg/l | Oil & Grease | 15 | 20 | - | - |
| 00665 | mg/l | Total Phosphorus | - | - | - | - |

2. The pH (Reporting Codes (00402 (minimum) and 00401 (maximum)) shall not be less than 6.0 S.U. nor greater than 9.0 S.U. and shall be monitored continuously. Report daily minimum and maximum.
3. Samples taken in compliance with monitoring requirements specified above shall be taken at Sampling Stations described in Part II, OTHER REQUIREMENTS.
4. See PART II, OTHER REQUIREMENTS.

Attachment II & IIIa

OEPA 31800012*BD

1. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from the following outfall: 31800012003. SEE PART II, OTHER REQUIREMENTS, for location of effluent sampling.

| <u>EFFLUENT CHARACTERISTIC</u> | | | <u>DISCHARGE LIMITATIONS</u> | | | |
|--------------------------------|-------|--------------------------|------------------------------|-------|---------|-------|
| REPORTING Code | UNITS | PARAMETER | Concentration | | Loading | |
| | | | Other Units(Specify) | | kg/day | |
| | | | 30 day | Daily | 30 day | Daily |
| 50050 MGD | | Flow | - | - | - | - |
| 50060 mg/l | | Total Residual Chlorine* | 0.20 | 0.20 | - | - |
| 00011°F | | Temperature** | - | - | - | - |
| 00665 mg/l | | Total Phosphorus | - | - | - | - |

* The Total Residual Chlorine limit is the maximum allowed at any time at the outfall. Total Residual Chlorine may not be discharged from any single generating unit for more than two hours per day. Simultaneous multi-unit chlorination is permitted. Analyses are to be performed by amperometric titration and/or Orion Residual Chlorine Electrode. Sampling for Chlorine is to be performed during chlorination.

Sampling may be done at condenser discharge if appropriate correlations are established.

** Requires intake (31800012800) monitoring, report intake/outfall temperature estimated to correspond to a maximum temperature differential sustained for one hour.

2. The pH (Reporting Code 00400) shall not be less than 6.0 S.U. nor greater than 9.0 S.U. and shall be monitored monthly by grab sample.
3. Samples taken in compliance with monitoring requirements specified above shall be taken at Sampling Stations described in Part II, OTHER REQUIREMENTS.
4. See PART II, OTHER REQUIREMENTS.

Attachment II & IIIa

OEPA 3IB00012*BD

1. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from the following outfall: 3IB00012004. SEE PART II, OTHER REQUIREMENTS, for location of effluent sampling.

| <u>EFFLUENT CHARACTERISTIC</u> | | | <u>DISCHARGE LIMITATIONS</u> | | | |
|--------------------------------|-------|------------------------|------------------------------|-------|---------|-------|
| REPORTING Code | UNITS | PARAMETER | Concentration | | Loading | |
| | | | Other Units(Specify) | | kg/day | |
| | | | 30 day | Daily | 30 day | Daily |
| 50050 MGD | | Conduit Flow | - | - | - | - |
| 00530 mg/l | | Total Suspended Solids | 30 | 100 | - | - |
| 00550 mg/l | | Oil & Grease | 15 | 20 | - | - |
| 00665 mg/l | | Total Phosphorus | - | - | - | - |

2. The pH (Reporting Codes (00402 (minimum) and 00401 (maximum)) shall not be less than 6.0 S.U. nor greater than 9.0 S.U. and shall be monitored continuously. Report daily minimum and maximum.
3. Samples taken in compliance with monitoring requirements specified above shall be taken at Sampling Stations described in Part II, OTHER REQUIREMENTS.
4. See PART II, OTHER REQUIREMENTS.

Attachment II & IIIa

OEPA 31800012*BD

1. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from the following outfall: 31800012006. SEE PART II, OTHER REQUIREMENTS, for location of effluent sampling.

| <u>EFFLUENT CHARACTERISTIC</u> | | | <u>DISCHARGE LIMITATIONS</u> | | | |
|--------------------------------|--------------|------------------------|------------------------------|---------------|----------------|--------------|
| <u>REPORTING</u> Code | <u>UNITS</u> | <u>PARAMETER</u> | <u>Concentration</u> | | <u>Loading</u> | |
| | | | <u>Other Units(Specify)</u> | <u>kg/day</u> | <u>30 day</u> | <u>Daily</u> |
| | | | <u>30 day</u> | <u>Daily</u> | | |
| 50050 MGD | | Conduit Flow | - | - | - | - |
| 00530 mg/l | | Total Suspended Solids | 30 | 100 | - | - |
| 00550 mg/l | | Oil & Grease | 15 | 20 | - | - |
| 00665 mg/l | | Total Phosphorus | - | - | - | - |

2. The pH (Reporting Codes (00402 (minimum) and 00401 (maximum)) shall not be less than 6.0 S.U. nor greater than 9.0 S.U. and shall be monitored continuously. Report daily minimum and maximum.
3. Samples taken in compliance with monitoring requirements specified above shall be taken at Sampling Stations described in Part II, OTHER REQUIREMENTS.
4. See PART II, OTHER REQUIREMENTS.

Attachment II & IIIa

OEPA 3IB00012*BD

1. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from the following outfall: 3IB00012007. SEE PART II, OTHER REQUIREMENTS, for location of effluent sampling.

| <u>EFFLUENT CHARACTERISTIC</u> | | | <u>DISCHARGE LIMITATIONS</u> | | | |
|---------------------------------|--------------|------------------------|------------------------------|---------------|----------------|---------------|
| <u>REPORTING</u> <u>Code</u> | <u>UNITS</u> | <u>PARAMETER</u> | <u>Concentration</u> | | <u>Loading</u> | |
| | | | <u>Other Units(Specify)</u> | <u>30 day</u> | <u>Daily</u> | <u>kg/day</u> |
| | | | | <u>30 day</u> | <u>Daily</u> | <u>Daily</u> |
| 50050 MGD | | Conduit Flow | - | - | - | - |
| 00530 mg/l | | Total Suspended Solids | 30 | 100 | - | - |
| 00550 mg/l | | Oil & Grease | 15 | 20 | - | - |
| 00665 mg/l | | Total Phosphorus | - | - | - | - |

2. The pH (Reporting Codes (00402 (minimum) and 00401 (maximum)) shall not be less than 6.0 S.U. nor greater than 9.0 S.U. and shall be monitored continuously. Report daily minimum and maximum.
3. Samples taken in compliance with monitoring requirements specified above shall be taken at Sampling Stations described in Part II, OTHER REQUIREMENTS.
4. See PART II, OTHER REQUIREMENTS.

Attachment II & IIIa

OEPA 31800012*8D

1. During the period beginning on effective date and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from the following outfall:
31800012604. SEE PART II, OTHER REQUIREMENTS, for location of effluent sampling.

| <u>EFFLUENT CHARACTERISTIC</u> | | | <u>DISCHARGE LIMITATIONS</u> | | | |
|--------------------------------|-------|------------------------|------------------------------|-------|---------|-------|
| REPORTING | | PARAMETER | Concentration | | Loading | |
| Code | UNITS | | Other Units(Specify) | | kg/day | |
| | | | 30 day | Daily | 30 day | Daily |
| 50050 | MGD | Conduit Flow | - | - | - | - |
| 00530 | mg/l | Total Suspended Solids | 50 | 50 | - | - |

* When discharging

Any untreated overflow from this facility, which is designed, constructed and operated to treat the volume of coal pile runoff which is associated with a 10-year, 24-hour rainfall event, shall not be subject to these limitations.

2. The pH (Reporting Codes 00400) shall be monitored weekly* by grab sample.
3. Samples taken in compliance with monitoring requirements specified above shall be taken at Sampling Stations described in Part II, OTHER REQUIREMENTS.
4. See PART II, OTHER REQUIREMENTS.

Attachment II & IIIa

OEPA 3IB00012*BD

1. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from the following outfall: 3IB00012605. SEE PART II, OTHER REQUIREMENTS, for location of effluent sampling.

| <u>EFFLUENT CHARACTERISTIC</u> | | | <u>DISCHARGE LIMITATIONS</u> | | | |
|--------------------------------|-------|------------------------|------------------------------|-------|---------|-------|
| | | | Concentration | | Loading | |
| | | | Other Units(Specify) | | kg/day | |
| REPORTING | UNITS | PARAMETER | 30 day | Daily | 30 day | Daily |
| Code | | | | | | |
| 50050 MGD | | Conduit Flow | - | - | - | - |
| 00530 mg/l | | Total Suspended Solids | 30 | 100 | - | - |
| 00550 mg/l | | Oil & Grease | 15 | 20 | - | - |

* A spatial composite, representative of the total plant discharge (A, B and C Plants) of boiler blowdown shall be utilized.

2. Samples taken in compliance with monitoring requirements specified above shall be taken at Sampling Stations described in Part II, OTHER REQUIREMENTS.
3. See PART II, OTHER REQUIREMENTS.

Attachment II & IIIa

OEPA 3IB00012*80

1. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from the following outfall: 3IB00012613. SEE PART II, OTHER REQUIREMENTS, for location of effluent sampling.

| <u>EFFLUENT CHARACTERISTIC</u> | | | <u>DISCHARGE LIMITATIONS</u> | | | |
|--------------------------------|--------------|------------------------|---|--------------|---------------------------------|--------------|
| <u>REPORTING</u> Code | <u>UNITS</u> | <u>PARAMETER</u> | <u>Concentration</u> <u>Other Units(Specify)</u> | | <u>Loading</u> <u>kg/day</u> | |
| | | | <u>30 day</u> | <u>Daily</u> | <u>30 day</u> | <u>Daily</u> |
| 50050 MGD | | Conduit Flow | - | - | - | - |
| 00530 mg/l | | Total Suspended Solids | 30 | 100 | - | - |
| 00550 mg/l | | Oil & Grease | 15 | 20 | - | - |
| 01042 ug/l | | Total Copper | 1000 | 1000 | - | - |
| 01045 ug/l | | Total Iron | 1000 | 1000 | - | - |

* When Discharging

2. The pH (Reporting Code 00400) shall be monitored 3/week* by grab sample.
3. Samples taken in compliance with monitoring requirements specified above shall be taken at Sampling Stations described in Part II, OTHER REQUIREMENTS.
4. See PART II, OTHER REQUIREMENTS.
5. Metal cleaning wastes include waste and first rinse only.

Attachment II & IIIa

OEPA 3IB00012*80

1. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from the following outfall: 3IB00012614. SEE PART II, OTHER REQUIREMENTS, for location of effluent sampling.

| <u>EFFLUENT CHARACTERISTIC</u> | | <u>DISCHARGE LIMITATIONS</u> | | | |
|--------------------------------|------------------------|---------------------------------------|-------|-------------------|-------|
| REPORTING Code | UNITS PARAMETER | Concentration Other Units(Specify) | | Loading kg/day | |
| | | 30 day | Daily | 30 day | Daily |
| 50050 MGD | Conduit Flow | - | - | - | - |
| 00530 mg/l | Total Suspended Solids | 30 | 100 | - | - |
| 00550 mg/l | Oil & Grease | 15 | 20 | - | - |
| 01042 ug/l | Total Copper | 1000 | 1000 | - | - |
| 01045 ug/l | Total Iron | 1000 | 1000 | - | - |

* When Discharging

2. The pH (Reporting Code 00400) shall be monitored 3/week* by grab sample.
3. Samples taken in compliance with monitoring requirements specified above shall be taken at Sampling Stations described in Part II, OTHER REQUIREMENTS.
4. See PART II, OTHER REQUIREMENTS.
5. Metal cleaning wastes include waste and first rinse only.

Attachment II & IIIa
Attachment IIIb - N/A

ATTACHMENT IV-JUSTIFICATION OF SPECIFIC CHARACTERISTICS

Final Table

Outfall: 3IB00012001
3IB00012003

| <u>Characteristic</u> | <u>Justification</u> |
|-------------------------|----------------------|
| Flow | Monitor Only |
| Temperature | Monitor Only |
| Total Chlorine Residual | BAT |
| pH | BPJ (of BCT) |

Final Table

Outfall: 3IB00012002
3IB00012004
3IB00012006
3IB00012007

| <u>Characteristic</u> | <u>Justification</u> |
|------------------------|----------------------|
| Flow | Monitor Only |
| Total Suspended Solids | BPJ (of BCT) |
| Oil & Grease | BPJ (of BCT) |
| pH | BPJ (of BCT) |

Final Table

Outfall: 3IB00012604

| <u>Characteristic</u> | <u>Justification</u> |
|------------------------|----------------------|
| Flow | Monitor Only |
| Total Suspended Solids | BPJ (of BCT) |
| pH | Monitor Only |

Final Table

Outfall: 3IB00012605

| <u>Characteristic</u> | <u>Justification</u> |
|------------------------|----------------------|
| Flow | Monitor Only |
| Total Suspended Solids | BPJ (of BCT) |
| Oil & Grease | BPJ (of BCT) |
| pH | Monitor Only |

ATTACHMENT IV-JUSTIFICATION OF SPECIFIC CHARACTERISTICS (Cont.)

Final Table

Outfall: 3IB00012613
3IB00012614

| <u>Characteristic</u> | <u>Justification</u> |
|------------------------|----------------------|
| pH | Monitor Only |
| Flow | Monitor Only |
| Total Suspended Solids | BPJ (of BCT) |
| Oil & Grease | BPJ (of BCT) |
| Total Copper | BAT |
| Total Iron | BAT |

Final Table

Outfall: 3IB00012800
3IB00012801

| <u>Characteristic</u> | <u>Justification</u> |
|------------------------|----------------------|
| Flow | Monitor Only |
| Total Suspended Solids | Monitor Only |